Sri Lanka Institute of Information Technology

Human Computer Interaction

Assignment 03 – Report

Title: Strategic research | Historian of the future (https://www.historianofthefuturex.com/)

Group Name: Astro-Nots

	Name	Workload
1.	Veenath G.D.T.	Projects, Feedback, FAQ Pages.
2.	Kandage T.P.	Edit Profile, Contact Us, Media Pages.
3.	Malmali W.S.V.M.O.	Signup, Notifications, Home Pages.
4.	Panditharathne R.L.	Members, My community, Tech Pages.
5.	Lakshika D.A.S.T.	Blog, Blog Post, Art Pages.

Contents

Introduction

In our Human-Computer Interaction (IT3060) module, we tried to understand how users interact with the interfaces of the website and improving their experiences through user-friendly design. Our project focused on redesigning the "Historian of the Future" website, which had several usability and interface issues that made navigation difficult. As a team, we worked collaboratively to identify the problems, planned improvements that should be changed, and implement solutions.

For this assignment, our goal was to address the key usability challenges by redesigning all the website's pages to develop a more user-friendly and captivating interface. Our team used various design techniques, including High-Fidelity Prototyping, to convert our ideas into fully functional designs. In Assignment 3, we introduced a new set of high-quality interface designs that significantly enhance the appearance and usability of the website. Each page was carefully reorganized, incorporating modern design principles and user feedback to guarantee a seamless and enjoyable browsing experience for all users.

Methodology

This project outlines how we identified and resolved usability issues on the "Historian of the Future" website, as well as redesigned it for a more user-friendly and visually appealing experience. We started by conducting contextual inquiries to gather feedback, insights, and suggestions from students, educators, and researchers who interacted with the website. Through this user-centered research, we identified key usability problems across all 15 pages, including navigation difficulties, cluttered layouts, and inconsistent search results.

Once we identified these problems, we ranked them according to their level of importance (high, medium, and low) to focus on improving our design. We then proceeded to create two wireframe designs for each page, using ideation techniques such as brainstorming and Crazy Eights to explore different layout options. These wireframes helped us visualize potential solutions and refine our ideas based on team feedback. Our focus during the redesign was on enhancing the overall interface by improving user flow and reducing clutter.

Afterwards, we developed high-fidelity prototypes for the redesigned pages using the Figma tool, incorporating black and white color schemes to preserve a polished appearance fitting for a platform focused on astronomy. The redesigned pages included sections such as the homepage, project listings, blog, media, and contact forms, all with a cohesive design to enhance user interaction. Finally, we conducted user testing with the new prototypes to ensure that our modifications effectively addressed the usability issues and provided a seamless, user-friendly browsing experience.

High Fidelity Prototype Interfaces

(Note: Click the hyperlink to view the Prototypes)

- Projects Page
- Project Feedback Page
- FAQ Page

- Edit Profile Page
- Contact Us Page
- Media Page

- Sign Up Page
- Notification Page
- Home Page

- Members Page
- My Community Page
- Tech Page

- Blog Page
- Blog Post Page
- Art Page

Video Demonstration Link

(Note: Click this link to watch the video demonstration)
HCI Demo.mp4

High Fidelity Prototype Link – Figma

(Note: Click this link to view all the Prototypes in Figma)

https://www.figma.com/design/TYhNUzHNGKSRWJpjKAa9dZ/HCI-Project--(Astro-Nots)?node-id=0-1&t=a0yTHUBeHDkZTKcX-1

Testing Results

Name of the Participants	Task	Measurement	Note
Malmali W.S.V.M.O	Check the Latest projects dropdown.	🟩	
Kandage T.P	Submit a Feedback to a project.	🟥	
Lakshika D.A.S.T	Navigate to the FAQs.	🟩	FAQ cards confusing and difficult to navigate.

Name of the Participants	Task	Measurement	Note
Veenath G.D.T	Navigate the contact us page and fill out the form.	🟥	
Panditharathne R.L.	Check the media page's video.	🟩	
Malmali W.S.V.M.O	Navigate the edit profile.	🟩	Both edit profile and profile look like same.

Name of the Participants	Task	Measurement	Note
Kandage T.P	Click Sign up button and view the navigation.	🟩	
Panditharathne R.L	Navigate to the home page and click learn more in latest technologies.	🟥	Learn more button doesn't working.
Lakshika D.A.S.T.	Navigate to the Notification page and delete the notification.	🟩	

Name of the Participants	Task	Measurement	Note
Lakshika D.A.S.T.	Navigate through the tech page and check content visibility.	■	
Veenath G.D.T	Access the members section and check the layout.	■	Some profile images do not load.
Malmali W.S.V.M.O	Check the community page.	■	

Name of the Participants	Task	Measurement	Note
Panditharathne R.L.	Verify that the blog post page.	■	
Kandage T.P	Navigate to the art page and check if images are clickable.	■	Some art pieces do not enlarge when clicked.
Veenath G.D.T	Accessed the art content section smoothly.	■	

Summary

In conclusion, our project for the Human-Computer Interaction (IT3060) module aimed to redesign the "Historian of the Future" website, which originally encountered various usability challenges. Our team worked together to identify and resolve these issues across all 15 pages, focusing on enhancing navigation, improving content layout, and making the site more user-friendly. We started by gathering user feedback using contextual inquiries, which helped us understand the issues and prioritize the necessary changes.
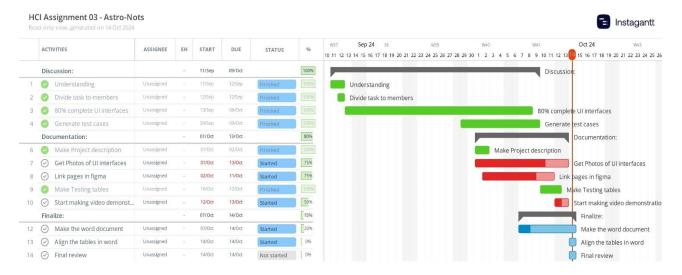
By utilizing wireframes and ideation techniques, we explored different design options before developing high-fidelity prototypes in Figma. We selected a black and white color scheme to give the site a professional and visually appealing appearance, suitable for an astronomy-focused platform. Through simplification of the design and addressing user concerns, we successfully transformed the website into an easier-to-navigate and more engaging experience. This project taught us the importance of user feedback and iterative design in creating effective digital interfaces.

Future Work

Our goal for future projects is to enhance the "Historian of the Future" website further by incorporating more features and enhancements derived from continuous user feedback. We plan to introduce more interactive features, such as dynamic timelines and multimedia galleries, to make the content even more user-friendly. Expanding the website's mobile optimization is also a priority, ensuring that users can easily access the site on any device. Furthermore, we plan to incorporate advanced search filters and personalized recommendations to assist users in locating relevant content with more efficiency.

As the platform grows, we also intend to conduct regular user testing and usability evaluations to keep the site up to date with modern design standards and user expectations. By continually enhancing the user experience, we aim to make "Historian of the Future" a leading resource for astronomy enthusiasts and researchers alike.

Time Schedule (Gantt chart)
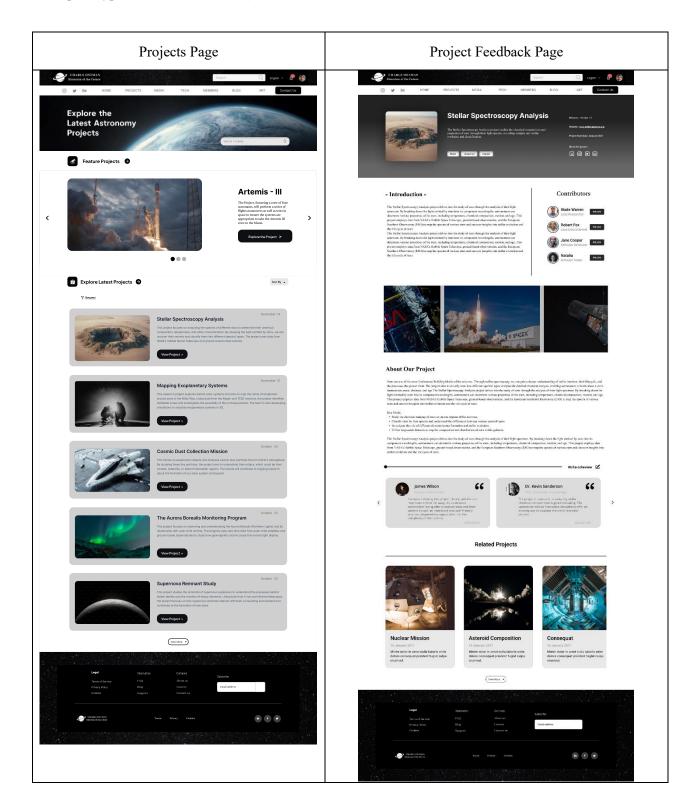
References
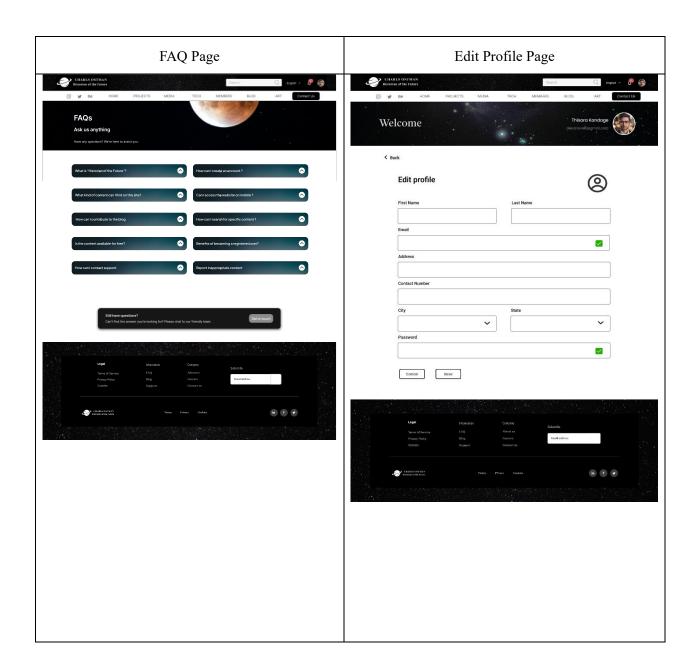
(n.d.). Retrieved from Figma: https://www.figma.com/
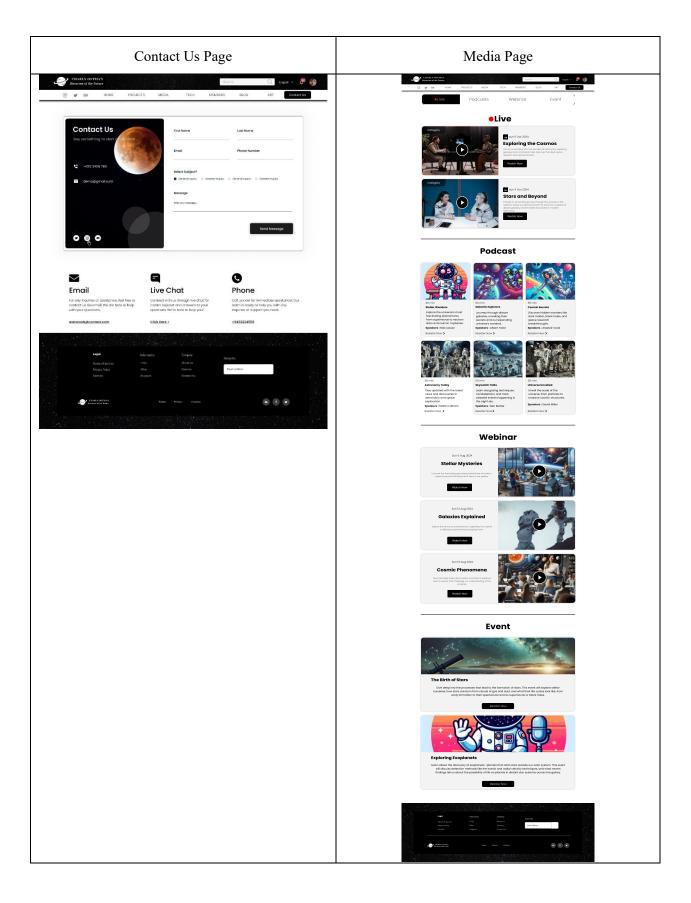
Guajardo, D. (2014). *instagantt*. Retrieved from https://www.instagantt.com/
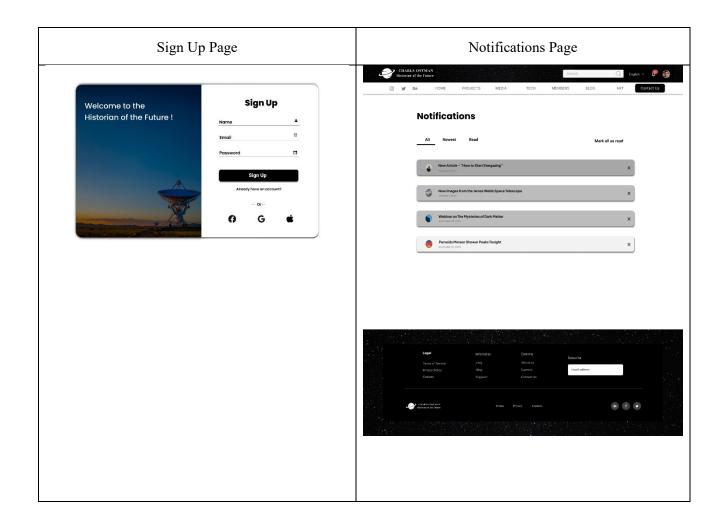
Appendix
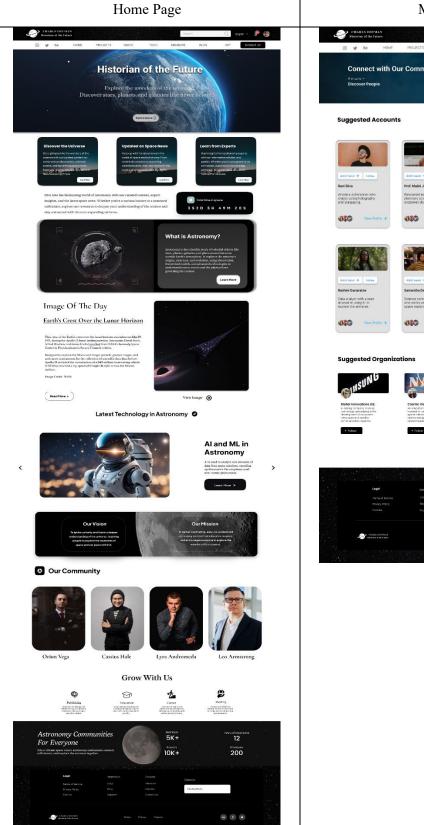
(Raw prototype files with instruction)

Projects Page	Project Feedback Page

FAQ Page	Edit Profile Page

FAQ Page

Search   English

HOME   PROJECTS   MEDIA   TECH   MEMBERS   BLOG   ART   Contact Us

FAQs
Ask us anything

Have any questions? We're here to assist you.

What is "Historian of the Future"?	How can I create an account ?
What kind of content can I find on this site?	Can I access the website on mobile ?
How can I contribute to the blog	How can I search for specific content ?
Is the content available for free?	Benefits of becoming a registered user?
How can I contact support	Report inappropriate content

Still have questions?
Can't find the answer you're looking for? Please chat to our friendly team.   Get in touch

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Historian of the Future   Terms   Privacy   Cookies

Edit Profile Page

Search   English

HOME   PROJECTS   MEDIA   TECH   MEMBERS   BLOG   ART   Contact Us

Welcome
Thisara Kandage
alexarawrei@gmail.com

‹ Back

Edit profile

First Name   **Last Name**

Email

Address

Contact Number

City   **State**

Password

Cancel   Save

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Contact Us Page	Media Page

Contact Us Page

Media Page

Sign Up Page	Notifications Page

Sign Up Page

Welcome to the Historian of the Future !

Sign Up

Name

Email

Password

Sign Up

Already have an account?

— Or —

Notifications Page

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Historian of the Future

Search   English

HOME   PROJECTS   MEDIA   TECH   MEMBERS   BLOG   ART   Contact Us

Notifications

All   Newest   Read   Mark all as read

New Article – "How to Start Stargazing"
October 5, 2024   ✕

New Images from the James Webb Space Telescope
October 1, 2024   ✕

Webinar on The Mysteries of Dark Matter
September 19, 2024   ✕

Perseids Meteor Shower Peaks Tonight
September 15, 2024   ✕

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Home Page	Members Page

My Community Page	Tech Page

| Blog Page | Blog Post Page |

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Astronomy Art Gallery
Where the univers find its artistic voice

ONE UNIVERSE
ONE JOURNEY

Step into a world where creativity meets the cosmos. Our collection of space-themed art captures the incredible beauty and mystery of the universe, blending science with imagination. Each piece invites you to explore the galaxies, stars, and planets in a whole new way. Let your curiosity soar as you connect with the wonders of the universe through art

All collection

Visual Arts

Interactive & Media Arts

BlackHole

A black hole is a region in space with intense gravitational force. so strong that nothing not even light can escape it.

T.M. Aloshioux
21.10.2023

Comets

A comet is an icy, small solar system body that warms and begins to release gases when passing close to the sun, a process called outgassing.

Abdul Rahaman
01.01.2020

Saturn Planet

Saturn is the sixth planet from the sun and the second largest in the solar system

Capalian M
09.11.2020

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